

### Abstract of the Disclosure

A buyer proposes the order quantity of a commodity to a vendor through a computer network. The vendor terminal stores commodity ID, an acceptable increase value and an acceptable decrease value for each commodity into storage. The acceptable increase/decrease values indicate the values that can be increased/decreased from a proposal order quantity. The vendor terminal reads the acceptable increase/decrease values corresponding to the designated commodity ID from the storage when the commodity ID, the proposal order quantity for the commodity and buyer ID are input. The vendor terminal determines acceptable order range whose maximum value is the sum of the proposal order quantity and the acceptable increase value, and whose minimum value is found by subtracting the acceptable decrease value from the proposal order quantity. The vendor terminal transmits the proposal order quantity and the acceptable order range to the buyer terminal through the computer network.